

Honolulu, Hawaii 96819 www.pelatron-q.com

HOUSE COMMITTEE ON FINANCE WEDNESDAY, APRIL 8, 2015 | 3:00 P.M. | CONFERENCE ROOM 308

Aloha Chair Luke, Vice Chair Nishimoto, and Honorable Representatives:

Pelatron Q STRONGLY SUPPORTS the passage of SB1047 SD1 HD1, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC with the development of waste-to-energy power plants in Hawai'i.

Pelatron Q is a joint venture between Solena Q and Pelatron Power Evolution that was formed with a mission of *Energizing a Green Hawai'i*. We believe in a zero-waste economy, and formed our firm with the goal of developing a clean sustainable energy source for both government and commercial organizations in the State of Hawai'i. Wedding ourselves to a triple bottom line, we were founded in part by the Pelatron Center for Economic Development (PCED), a Native Hawaiian non-profit organization that actively supports the economic welfare of Native Hawaiians through public and private educational, community and business partnerships. PCED's partnerships provide mentoring, training, business incubation and other activities that promote innovation and entrepreneurship.

Pelatron Q is developing applications of the patented Solena plasma gasification and vitrification (SPGV) process with various public and private partners. This cutting edge integration is more efficient than any biomass conversion technology on the market today. By utilizing state of the art plasma torches in a closed loop and oxygen-deprived environment, SPGV technology extracts more than 99% of all carbon in the waste stream and converts all organic materials into a bio-synthetic gas. This clean gas can be used for everything from generating electricity to making jet fuel.

Different from H-Power and other systems that *burn* trash, our integration eliminates ash and toxins as by products and with as much as four times the net energy output. Most importantly, the renewable energy which we produce is base load and dispatch power that is cheaper to make than using imported oil or liquefied natural gas. This results in an avoided cost of power generation that can be passed on to the consumer.

Currently, the firm is actively cultivating solutions on Kaua'i and O'ahu. The success of these systems will move the State closer to our goals of 70% renewable by 2030, create local ownership and control over power production, generate new jobs for Hawai'i's residents, and contribute to our overall economic and environmental independence as an Island State.

I will be available in person to address any of your questions in detail. Thank you for this opportunity to testify in support of SB1047 SD1 HD1.

Kekoa McClellan

President & CEO, Pelatron Q, LLC

Kekoa.McClellan@pelatronpower.com

1.808.629.7000

TESTIMONY BY WESLEY K. MACHIDA DIRECTOR, DEPARTMENT OF BUDGET AND FINANCE STATE OF HAWAII TO THE HOUSE COMMITTEE ON FINANCE ON SENATE BILL NO. 1047, S.D.1, H.D.1

April 8, 2015 3:00 P.M.

AUTHORIZING THE ISSUANCE OF SPECIAL PURPOSE REVENUE BONDS TO ASSIST PELATRON Q, LLC.

Senate Bill No. 1047, S.D. 1, H.D.1, authorizes the issuance of Special Purpose Revenue Bonds (SPRB) to assist Pelatron Q, LLC, with the development of waste-to-energy power plants in Hawaii pursuant to Part V, Chapter 39A, Hawaii Revised Statutes.

The Department is providing comments only to advise the Legislature and prospective SPRB parties that should the legislation be approved, approval of SPRB issuance will require further discussion and satisfactory credit underwriting review of the financing components with respect to any proposed financing.

Thank you for the opportunity to provide testimony on this measure.

Peter Drown, Project Manager ALQIMI Energy

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

Aloha Chair Luke, Vice Chair Nishimoto, and Honorable Members of the Committee:

Thank you for this opportunity to provide testimony in SUPPORT of SB1047 SD1 HD1, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC, with the development of waste-to-energy power plants in Hawaii.

Plasma gasification presents an ideal solution for Hawaii for several key reasons:

- 1. **Superior environmental performance** SPGV technology offers complete recycling and reuse of waste, with a process that results in <u>no</u> toxic fumes, no heavy metals, dioxins, furans, or hazardous ashes. Utilizing waste for feedstock eliminates the need for landfills and reduces harmful emissions and toxins.
- 2. **Feedstock Flexibility** SPGV technology uses plasma, an ionized, high temperature gas that breaks down *all* matter, both carbon-based and inert. The SPGV reactor operates at a temperature around 5000° C and can effectively cause the complete disassociation of all hydrocarbon and organic materials into a gas, which in turn is converted via the patented SPGV process into a valuable fuel mainly comprised of H2 and CO, commonly referred to as "BioSynGas", while inerts are converted to non-toxic slag, a useful construction material.
- 3. **Economics**—The cost-effective and technically efficient thermal depolymerization and gasification process allows conversions of any carbon-based material in excess of 99%, leading to very high efficiencies and the ability to operate at reduced scales. (Legacy incineration technologies require significant scale for project viability and extensive air pollution control systems, rendering them uneconomical and inappropriate for applications required in Hawaii.)

Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

Peter Drown

Peter.Drown@alqimi.com

207-951-3042

Testimony of Brooke Wilson Pacific Resource Partnership

House Committee on Finance Representative Sylvia Luke, Chair Representative Scott Y. Nishimoto, Vice Chair

SB 1047, SD1, HD1 – Authorizing the Issuance of Special Purpose Revenue Bonds to Assist Pelatron Q, LLC.

Wednesday, April 8, 2015 3:00 PM Conference Room 308

Dear Chair Luke and Vice Chair Nishimoto and members of the committee,

PRP is a not-for-profit organization that represents the Hawaii Regional Council of Carpenters, the largest construction union in the state, and more than 240 of Hawaii's top contractors. Through this unique partnership, PRP has become an influential voice for responsible construction and an advocate for creating a stronger, more sustainable Hawaii in a way that promotes a vibrant economy, creates jobs and enhances the quality of life for all residents.

We support SB 1047, SD1, HD1 which authorizes the issuance of special purpose revenues bonds to assist Pelatron Q, LLC, develop waste-to-energy power plants in Hawaii.

Hawaii imports most of our energy. SB 1047, SD1, HD1 will allow sustainable solutions for the generation of renewable energy and waste management through the development of waste-to-energy power plants.

The State of Hawaii's goal is to meet 70% of our energy needs by 2030 through energy efficiency and renewable energy. In order to meet this goal, we must be creative in the widespread installation of green energy infrastructure equipment.

We respectfully ask for your favorable consideration of SB 1047, SD1, HD1 to demonstrate our commitment to a sustainable community in Hawaii.



THE POWER OF PARTNERSHIP

Hawaiʻi Construction Alliance

P.O. Box 179441 Honolulu, HI 96817 (808) 348-8885

April 6, 2015

The Honorable Sylvia Luke, Chair
The Honorable Scott Y. Nishimoto, Vice Chair
and members
Committee on Finance
Hawai'i State House of Representatives
Honolulu, Hawai'i 96813

Dear Chair Luke, Vice Chair Nishimoto, and members:

The Hawai'i Construction Alliance is in **strong support of SB1047 SD1 HD1**, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC.

The Hawai'i Construction Alliance is comprised of the Hawai'i Regional Council of Carpenters; the Operative Plasterers' and Cement Masons' Union, Local 630; International Union of Bricklayers & Allied Craftworkers, Local 1; the Laborers' International Union of North America, Local 368; and the Operating Engineers, Local Union No. 3. Together, the member unions of the Hawai'i Construction Alliance represent 15,000 working men and women in the basic crafts of Hawai'i's construction industry.

Pelatron Q, LLC is proposing to develop and construct waste-to-energy power plants utilizing unique patented plasma gasification and vitrification technology. Each of the plants will take produced municipal solid waste and other material that would otherwise end up in a landfill and convert the waste into synthetic gas to produce six to eight megawatts of clean, renewable energy.

Pelatron Q, LLC is a Hawai'i-based company with a strong commitment to ensuring that their waste-to-energy plants have positive impacts on the local community – not just by diverting municipal waste from our landfills and promoting energy security, but in creating quality jobs for local residents. To that end, we have been in productive discussions with Pelatron Q, LLC to ensure that local workers have the opportunity to construct the waste-to-energy plants and appurtenant facilities.

We note that as part of their plans, Pelatron Q, LLC proposes to construct a waste-to-energy plant in Kekaha, Kaua'i. Since the last recession, Kaua'i has been a challenging market for our members, many of whom are currently out-of-work. The construction of a waste-to-energy plant in Kekaha would provide our Kaua'i-based members the opportunity to put their skills to work at home on the Garden Isle.

Therefore, we request your committee's **favorable consideration on SB1047 SD1 HD1**, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC. **Furthermore, we respectfully request your favorable consideration of the recommendation by the Committee on Energy and Environmental Protection in regard to the amount to be authorized.**

Mahalo,

Tyler Dos Santos-Tam Executive Director

Hawai'i Construction Alliance

execdir@hawaiiconstructionalliance.org

finance1-Kim

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 07, 2015 7:44 AM

To: FINTestimony Cc: robertl@oha.org

Subject: *Submitted testimony for SB1047 on Apr 8, 2015 15:00PM*

SB1047

Submitted on: 4/7/2015

Testimony for FIN on Apr 8, 2015 15:00PM in Conference Room 308

Submitted By	Organization	Testifier Position	Present at Hearing
Robert K. Lindsey, Jr.	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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finance1-Kim

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 07, 2015 7:43 AM

To: FINTestimony

Cc: kamakane73@gmail.com

Subject: *Submitted testimony for SB1047 on Apr 8, 2015 15:00PM*

SB1047

Submitted on: 4/7/2015

Testimony for FIN on Apr 8, 2015 15:00PM in Conference Room 308

Submitted By	Organization	Testifier Position	Present at Hearing
Kama Hopkins	Individual	Support	No

Comments:

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RHONDA ROLDAN Private Citizen

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

Aloha Chair Luke, Vice Chair Nishimoto, and Honorable Members of the Committee:

Thank you for this opportunity to provide testimony in SUPPORT of SB1047 SD1 HD1, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC, with development of waste-to-energy power plants in Hawaii.

Pelatron Q offers sustainable solutions for the generation of renewable energy and waste management through the development of waste-to-energy power plants. Their scalable solution utilizes the patented Solena plasma gasification and vitrification process to convert any carbonaceous matter, including municipal solid waste, plastic, rubber, agricultural waste, and industrial waste into renewable energy.

The development of these waste-to-energy power plants will contribute to the State's energy security, reduce the State's carbon footprint, reduce the environmental impact of landfilling waste, and add living-wage jobs to the State's economy.

Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

RHONDA ROLDAN rhondar8@gmail.com (808)398-2374

finance1-Kim

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 07, 2015 9:45 AM

To: FINTestimony

Cc: mkhan@hawaiiantel.net

Subject: Submitted testimony for SB1047 on Apr 8, 2015 15:00PM

SB1047

Submitted on: 4/7/2015

Testimony for FIN on Apr 8, 2015 15:00PM in Conference Room 308

Submitted By	Organization	Testifier Position	Present at Hearing
Leimomi Khan	Individual	Support	No

Comments: Aloha, To be honest, I don't know much about Pelatron, but what I do know is that the state needs more businesses that will help us to protect the environment and exploit renewable energy solutions. Pelatron Q, LLC offers an opportunity to develop waste-to-energy powers that would be in line with the State's interest in sustainable solutions for the generation of renewable energy and waste management. Accordingly, urge passage of this measure.

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House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

Aloha Chair Luke, Vice Chair Nishimoto, and Honorable Members of the Committee,

My name is Nathan Okubo and I **strongly support** SB1047 SD1 HD1, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC, with the development of waste-to-energy power plants in Hawaii.

Supporting a green economy should be a top priority for our State. Pelatron Q, LLC's solutions for the generation of renewable energy and waste management will assist us in moving our State off of an oil standard for power generation. The model proposed by Pelatron Q, LLC will lead to cheaper electricity for consumers while reducing the environmental impact of landfilling waste. Pelatron Q, LLC is also a locally owned company, and it is important that we support native Hawaiian and local firms who have ownership over power generation.

For these reasons, I respectfully ask that you approve SB1047 SD1 HD1.

Thank you for allowing me to provide testimony in SUPPORT of SB1047 SD1 HD1.

Nathan Okubo 600 Oueen St.

Honolulu, HI 96813

Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair House Finance Committee Conference Room 308

RE: SB1047 SD1 HD1

TESTIMONY IN **SUPPORT** OF SPECIAL PURPOSE REVENUE BONDS

Aloha Chair Lee, Vice Chair Lowen, and Honorable Members:

My name is Rebecca Soon, and I am an interested Hawai'i resident writing in support of SB1047 and the issuance of special purpose revenue bonds to support Pelatron Q, LLC in developing waste-to-energy power plants in Hawai'i using patented plasma gasification and vitrification processes for waste management and energy production.

The Hawai'i State Legislature has long recognized the production of renewable energy as an important goal in furtherance of Hawai'i's economy, ecosystems, and natural environment. As articulated in bill, there are a number of important goals this project seeks to address, perhaps most excitingly, this technology provides an innovate way to reduce waste impact and costs while producing renewable energy and strengthening Hawai'i's energy security.

This is the kind of project that can have tremendous and positive impact on the future of our State and our local communities. I encourage your consideration and support of this measure, which allows the State to support the project without impacting the State's debt limit.

Mahalo for the opportunity to provide testimony in SUPPORT of SB1047 SD1 HD1.

Me ka 'oia'i'o,

Rebecca 'Iolani Soon

Lebecia y Son

39 Makaweli St., Honolulu, HI 96825

Pohai Ryan 150 Hamakua Drive PMB#824 Kailua, HI 96734

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

> Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

Aloha Chair Luke, Vice Chair Nishimoto, and Honorable Members of the Committee:

Thank you for this opportunity to provide testimony in SUPPORT of SB1047 SD1 HD1, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC, with the development of waste-to-energy power plants in Hawaii.

Pelatron Q offers sustainable solutions for the generation of renewable energy and waste management through the development of waste-to-energy power plants. Their scalable solution utilizes the patented Solena plasma gasification and vitrification process to convert any carbonaceous matter, including municipal solid waste, plastic, rubber, agricultural waste, and industrial waste into renewable energy.

The development of these waste-to-energy power plants will contribute to the State's energy security, reduce the State's carbon footprint, reduce the environmental impact of landfilling waste, and add living-wage jobs to the State's economy.

Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

Pohai Ryan pohairyan@gmail.com



TO: HOUSE FINANCE COMMITTEE -

Chair Sylvia Luke, Vice Chair Scott Nishimoto

FROM: Wannette Gaylord

DATE: April 8, 2015 3:00 pm, Conference Room 308

RE: SUPPORT OF SB1047 SD1 HD1

Aloha Chair Luke, Vice Chair Nishimoto, and Members of the Committee:

My name is Wannette Gaylord, a kama'aina that believes we should malama the 'aina for our future generations. Thank you for this opportunity to provide testimony in SUPPORT of SB1047 SD1 HD1, authorizing the issuance of special purpose revenue bonds to assist Pelatron Q, LLC, with the development of waste-to-energy power plants in Hawaii.

Pelatron Q offers sustainable solutions (waste-to-energy power plants utilizing patented Solena plasma gasification and vitrification process) to convert waste products into renewable energy. This will decrease landfill waste, reduce the State's carbon footprint and help the State's unemployed get jobs.

These Waste-To-Energy Power Plants will help our State's energy security.

Mahalo for the opportunity to SUPPORT SB1047 SD1 HD1.

Wannette Gaylord



Dylan Armstrong Private Citizen

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

> Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

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Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

Dylan Armstrong dylanarm@hawaii.edu



From: John Aeto < johnaeto@kalaimoku.com>
Sent: Tuesday, April 07, 2015 7:53 PM

To: FINTestimony

Subject: IN support of SB 1047 SD1 HD1

Legislative Testimony

In SUPPORT of SB1047 SD1 HD1

John Aeto, The Kalaimkou Group

House Finance Committee

Representative Sylvia Luke, Chair

Representative Scott Nishimoto, Vice Chair

Wednesday, April 8, 2015

3:00 p.m. Conference Room 308

Aloha Chair Luke, Vice Chair Nishimoto, and Honorable Members of the Committee:

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Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

John Aeto

President

The Kalaimoku Group, LLC 808-2162368

--

John K S Aeto

The Kalaimoku Group

Ph: 808-216-2386

EMAIL ADDRESS: johnaeto@kalaimoku.com

PLEASE NOTE OUR NEW ADDRESS:

1110 University Ave, Suite 309, Honolulu, Hawaii 96826

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finance8-Melanie



From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, April 07, 2015 10:57 PM

To: FINTestimony Cc: gfilaban@aol.com

Subject: Submitted testimony for SB1047 on Apr 8, 2015 15:00PM

SB1047

Submitted on: 4/7/2015

Testimony for FIN on Apr 8, 2015 15:00PM in Conference Room 308

Submitted By	Organization	Testifier Position	Present at Hearing
Gwen Ilaban	Individual	Oppose	No

Comments: "Any waste to energy scheme that involves the Thermal Destruction of valuable and limited natural resources is NOT a solution to a sustainable future." "An aggressive resource recovery and reuse plan were put into place, would be a better use of the states ability to support Special Purpose Revenue Bonds." This is another scheme to waste the taxpayer's moneys! I strongly urge this committee to OPPOSE SB1047. Mahalo for your consideration. Gwen Ilaban 64-217 Wailani Place Kamuela, HI 96743

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Bronson Aken President/CEO Pelatron Technologies

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

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Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

Bronson Aken <u>baken@pelatrontech.com</u> ph. 629-7003



Coreene Zablan Vice President Pelatron Technologies

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

> Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

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Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

Coreene Zablan <u>czablan@pelatrontech.com</u> ph. 629-7005



Kuhio Lewis Private Citizen

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

> Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

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Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

Kuhio Lewis Joe96817@gmail.com



Thomas Aimoku McClellan

House Finance Committee Representative Sylvia Luke, Chair Representative Scott Nishimoto, Vice Chair

> Wednesday, April 8, 2015 3:00 p.m. Conference Room 308

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Thank you for your consideration and the opportunity to SUPPORT SB1047 SD1 HD1.

Thomas Aimoku McClellan aimokumcclellan@gmail.com 808-223-6330